

**2311000901010011**

**B. C. A. F.Y. (Sem – I)**

**Examination December - 2023**

**Major-104-Computer Programming & Programming Methodology(CPPM)**

**Seat No:**

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**[Time: Two hours]**

**[Max. marks: 50]**

**Instructions**

- Answer all the questions.
- Figures in the right indicates full marks
- Illustrate your answer with necessary example, if required.

**Student's Signature**

**Q.1 Answer Following: 10**

1. The \_\_\_\_\_ symbol is used to represent process in flowchart.
  - a. Circle
  - b. Rectangle
  - c. Diamond
  - d. None of these
2. The extension of object code is
  - a. .c
  - b. .exe
  - c. .obj
  - d. .cpp
3. What is the correct syntax for while loop?
  - a. While(condition) { Statements ; }
  - b. While { Statements; }
  - c. While(initialization; condition; increment/decrement) { Statements ; }
  - d. While { Statements ; }(condition)
4. What is loop within loop known as?
  - a. Inner Loop
  - b. Outer Loop
  - c. Nested Loop
  - d. For loop

5. \_\_\_\_\_ keyword is used to come out of a loop only for that iteration.
  - a. Break
  - b. Continue
  - c. Return
  - d. None
6. \_\_\_\_\_ function concatenate 2 strings.
  - a. Strcpy
  - b. Strcat
  - c. Strlen
  - d. Strcmp
7. \_\_\_\_\_ is the correct way to define a pointer.
  - a. Int \_ptr x;
  - b. Int \*ptr;
  - c. \*int ptr;
  - d. \*x;
8. Collection of instruction written in common language is called \_\_\_\_\_.
  - a. Program
  - b. Algorithm
  - c. Flowchart
  - d. Software
9. How much byte occupied by the float type of variable?
  - a. 2 bytes
  - b. 4 bytes
  - c. 10 bytes
  - d. 8 bytes
10. The code which is generated by compiler is
  - a. Source code
  - b. Object code
  - c. Exe file
  - d. None of these

**Q.2 Do as Directed:- (Any Two) 14**

- (A) What is flow chart? Explain it in detail. Also explain benefits and limitation of drawing flowchart.
- (B) Importance of 'C' Language.
- (C) Explain Basic Structure of 'C' Programming.
- (D) Explain any five String Functions.

**Q.3 Do as Directed. : (Any Two) 14**

- (A) What is Two-Dimensional Array? Explain with Example.
- (B) What is entry control loop and exit control loop? Explain it with an example.
- (C) What is switch case statement? Explain it with an example.
- (D) Explain logical and conditional operator with example.

**Q.4 Do as Directed. : (Any Three) 12**

- (A) Explain Selection Sort.
- (B) What is Nested Loop? Explain it with an example
- (C) Explain One dimensional Array.
- (D) What is Data Type? Explain data type in C Programming Language.
- (E) Write a short note on Pointer